

REMARKS

Claims 1-21 are now present in this application. Claims 9-19 are currently withdrawn from consideration.

The specification has been amended, and claims 20 and 21 have been presented. Reconsideration of the application, as amended, is respectfully requested.

Amendments to the Claims

Newly presented independent claim 20 includes the limitations of original claims 1 and 7, and newly presented independent claim 21 includes the limitations of original claims 1 and 3. Accordingly, it is respectfully submitted that these newly presented claims do not contain new matter.

Rejections under 35 USC 103

Claims 1, 2, 5, 6 and 8 stand rejected under 35 USC 103 as being unpatentable over the Applicant's Admitted Prior Art in view of Ueda, U.S. Publication 2001/0048259. This rejection is respectfully traversed.

Claims 3, 4 and 9 stand rejected under 35 USC 103 as being unpatentable over the Applicant's Admitted Prior Art in view of Ueda, and further in view of Itaya, U.S. Patent 5,500,994. This rejection is respectfully traversed.

The Applicant's Admitted Prior Art discloses a fan including a rotor assembly 1, a stator 2 and a frame 3. The rotor assembly 1 includes a blade structure 11 with a hub 111 and blades

112, a metal shell 12 and a magnet 13. The metal shell 12 and the magnet 13 are disposed on the interior side of the hub 111 accordingly.

The patent to Ueda discloses a dynamo-electric machine 1 including a motor main body 2. The motor main body 2 includes an inner yoke 5 and an armature 3. The inner yoke 5 has a pair of magnets 4 secured to an inner periphery surface of the inner yoke 5. An outer yoke 7 is fitted around the motor main body 2.

The patent to Itaya discloses a miniature electric motor having a rotor by which it is possible to obtain a high torque even with a small amount of rare earth plastic magnet and to avoid any separation or cracks of the magnetic layer of the rotor.

It is respectfully submitted that the Applicant's Admitted Prior Art and the patents to Ueda and Itaya, either alone or in combination, fail to teach or suggest the motor rotor of the present application.

The present application discloses a motor rotor adapted to be used in a fan, comprising a hub, a metal and a magnet. The metal plate has a first end and a second end to be disposed in the hub, and the magnet disposed in the metal plate.

The Examiner acknowledges that the Applicant's Admitted Prior Art fails to disclose the metal plate having first and second ends wherein first and second ends are engaged together to form an occlusive seam to shape the metal plate as a ring. However, the Examiner asserts that Ueda teaches these limitations. The Applicant respectfully disagrees with the Examiner's position.

First, on page 3 of the Office Action, the Examiner provides an element by element analysis of the claims. The examiner indicates that element 7 of Ueda is a "metal ring" and that

elements 8, 9 are “two ends”. However, referring to page 2, paragraph [0020] of Ueda, “[t]he motor main body 2 includes an inner yoke 5 and an armature 3. The inner yoke 5 has a pair of magnets 4 secured to an inner periphery surface of the inner yoke 5. An outer yoke 7 is fitted around the motor main body 2”. In other words, the outer yoke 7 is simply a case to surround the motor main body 2. **It is therefore respectfully submitted that Ueda does not teach or imply the metal plate being disposed in the hub, as set forth in independent claim 1 of the present application.**

Second, Ueda discloses an inner rotor type motor, and the present application discloses an outer rotor. In Ueda, during the operation of the dynamo-electric machine, the rotatable shaft 6 is rotating, and the permanent magnet 4 and the outer yoke 7 are not rotating. On the contrary, during operation of the present application, the hub, the metal plate and the magnet all rotate together. The dynamo electric machine of Ueda and the present application therefore have completely different arrangements. Further, since the outer yoke 7 of Ueda is a case for housing the motor main body 2, the outer yoke 7 of Ueda cannot combine with the Applicant’s Admitted Prior Art of Fig. 1 to create a rotor as seen in the present application.

Third, the purpose of the present application and the arrangement of the elements are completely different from Ueda and Itaya. Thus, it is clear that the Applicant’s Admitted Prior Art and Ueda do not teach or suggest the motor rotor of independent claim 1.

Finally, it is respectfully submitted that there is no motivation to combine the Applicant’s Admitted Prior Art with Ueda, to meet the limitations included in the present application. The Applicant’s Admitted Prior Art and Ueda, either alone or in combination, do not teach or suggest the features required by independent claim 1 of the present application. Further, these references

do not contain any suggestion, either expressed or implied, that they be combined, or that they be combined in the manner suggested. It is therefore Applicant's belief that it would not have been obvious to combine the Applicant's Admitted Prior Art with the patent to Ueda.

In view of the foregoing remarks, it is respectfully submitted that the motor rotor of independent claim 1, as well as its dependent claims, is neither taught nor suggested by the prior art utilized by the Examiner. Accordingly, reconsideration and withdrawal of the 35 USC 103 rejections are respectfully requested.

Allowable Subject Matter

Applicants gratefully acknowledge that the Examiner considers claim 7 to contain allowable subject matter. In view of the foregoing amendments and remarks, it is respectfully submitted that all claims should be in condition for allowance.

Conclusion

Favorable reconsideration and an early Notice of Allowance are earnestly solicited.

Because the additional prior art cited by the Examiner has been included merely to show the state of the prior art and has not been utilized to reject the claims, no further comments concerning these documents are considered necessary at this time.

In the event that any outstanding matters remain in this application, the Examiner is invited to contact the undersigned at (703) 205-8000 in the Washington, D.C. area.

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Amendment dated November 9, 2005
Reply to Office Action of August 9, 2005

Docket No.: 0941-0916P

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

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Respectfully submitted,

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